

KPI ENCYCLOPEDIA

A Comprehensive Collection of KPI Definitions for

Supply Chain



Table of Contents

Supply Chain KPI Encyclopedia

Supply Chain Metric Definitions

Supply Chain	2
Distribution	5
Manufacturing & Production	12
Master Data Management	23
Materials Management	27
Order Management	34
Procurement	40

This content may not be copied, distributed, republished, uploaded, posted or transmitted in any way without the prior written consent of OpsDog, Inc.

Distribution

Supply Chain

Distribution

- Channel Design & Management
- Third Party Logistics
- Logistics Health & Safety
- Fleet Management
- Order Picking & Shipment

The Distribution Group handles all aspects of the flow of outgoing products to customers. The primary purpose of the group is to arrange and compile necessary goods and/or materials before dispatching them to customer(s) on a timely basis. With a large consideration to transportation costs and timely shipments, the Distribution Group must also monitor the safety of the delivery and take proper precautions, if necessary (including insurance of goods and packaging procedure).

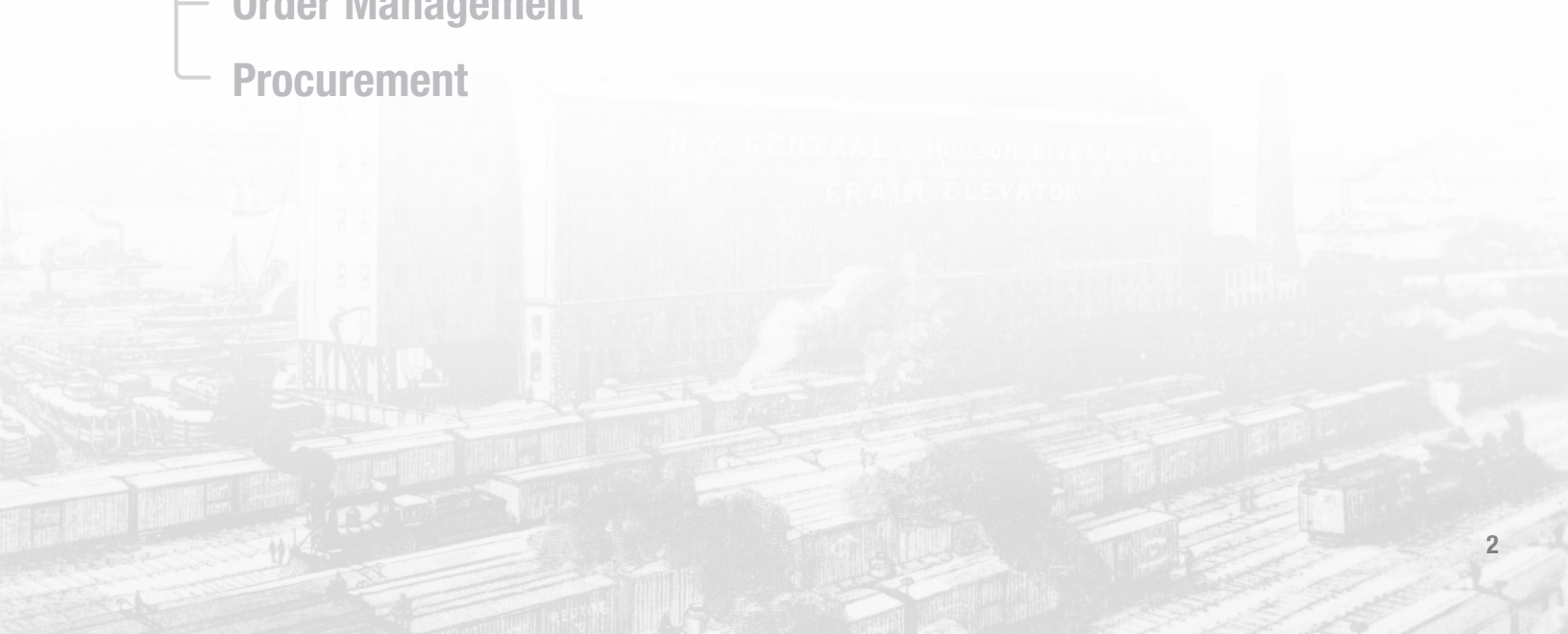
Manufacturing & Production

Master Data Management

Materials Management

Order Management

Procurement



Distribution

KPI Encyclopedia

Cost

- **Carrying Cost of Inventory** – The total expense required to warehouse and ship the inventory of a specific product or material over a certain period of time. Carrying cost of inventory includes warehouse labor, insurance, tax, storage, depreciation and shipping or freight expenses.
- **Carrying Cost of Inventory as a Percentage of COGS** – The total expense (includes warehouse labor, insurance, tax, storage, depreciation and shipping or freight expenses) required to warehouse and ship the inventory of a specific product or material divided by the total cost of goods sold (COGS) for the same product or material over the same period of time, as a percentage.
- **Carrying Cost of Inventory as a Percentage of Sales** – The total expense (includes warehouse labor, insurance, tax, storage, depreciation and shipping or freight expenses) required to warehouse and ship the inventory of a specific product or material divided by the total sales generated for the same product or material over the same period of time, as a percentage.
- **Carrying Cost of Inventory as a Percentage of Total Inventory Value** – The total expense (includes warehouse labor, insurance, tax, storage, depreciation and shipping or freight expenses) required to warehouse and ship the inventory of a specific product or material divided by the total dollar value of inventory of the same product or material over the same period of time, as a percentage.
- **Customer Transportation Expense per Case** – The total outbound customer transportation expense (deliveries to customers; does not include intra-company deliveries) divided by the number of cases or pallets delivered to customers over the same period of time.
- **Customer Transportation Expense per Hundredweight (cwt)** – The total outbound customer transportation expense (deliveries to customers; does not include intra-company deliveries) divided by each one hundred pounds of product delivered to customers over the same period of time.
- **Distribution Center Expense as a Percentage of Revenue** – Total distribution center expense (receiving shipments, warehousing, sorting, inventory control, picking, etc.) divided by the total revenue generated by the company over the same period of time, as a percentage.
- **Distribution Center Expense per Case** – The total distribution center expense (receiving shipments, warehousing, sorting, inventory control, picking, etc.) divided by the number of cases or pallets delivered to customers over the same period of time.

Cost (Cont.)

- **Distribution Center Expense per Hundredweight (cwt)** – The total distribution center expense (receiving shipments, warehousing, sorting, inventory control, picking, etc.) divided by each one hundred pounds of product delivered to customers over the same period of time.
- **Distribution Cost per Unit Shipped** – The total expense incurred by the distribution function divided by the total number of units shipped over the same period of time.
- **Distribution Expense as a Percentage of COGS** – The total distribution expense divided by the total cost of goods sold (COGS) over the same time period, as a percentage.
- **Distribution Expense as a Percentage of Total Expense** – The total distribution-related expense divided by the total, company-wide expense incurred over the same time period, as a percentage.
- **Distribution Expense as a Percentage of Total Revenue** – The total distribution expense divided by the total amount of revenue generated by the company over the same time period, as a percentage.
- **Expense per Distribution Employee** – The total expense incurred by the company divided by the total number of Distribution employees working for the company over the same period of time.
- **Freight Expense per Mile** – The total freight or trucking expense (includes truck payments, insurance, fuel, permits, truck maintenance, labor, etc.) divided by each mile traveled by fleet assets over the same period of time.
- **Intra-Company Transportation Expense per Case** – The total intra-company transportation expense (transportation from the manufacturing plant to distribution centers, etc.) divided by the number of cases or pallets delivered to intra-company locations (manufacturing plants, distribution centers, etc.) over the same period of time.
- **Intra-Company Transportation Expense per Hundredweight (cwt)** – The total intra-company transportation expense (transportation from the manufacturing plant to distribution centers, etc.) divided by each one hundred pounds of product delivered to intra-company locations (manufacturing plants, distribution centers, etc.) over the same period of time.

Distribution (Cont.)

KPI Encyclopedia

Cost (Cont.)

- **Management and Overhead Expense per Case** – The total distribution overhead and management-related expenses (salaries, equipment, etc.) divided by the number of cases or pallets delivered over the same period of time.
- **Management and Overhead Expense per Hundredweight (cwt)** – The total distribution overhead and management-related expenses (salaries, equipment, etc.) divided by each one hundred pounds of product delivered over the same period of time.
- **Shipping Expense as a Percentage of Total Expense** – The shipping-related expense incurred divided by the total, company-wide expense incurred over the same period of time, as a percentage.
- **Special Packaging Expense per Case** – The total expense related to the development of special packaging to fulfill customers' requests divided by the number of cases or pallets delivered over the same period of time.
- **Special Packaging Expense per Hundredweight (cwt)** – The total expense related to the development of special packaging to fulfill customers' requests divided by each one hundred pounds of product delivered over the same period of time.

Cost (Cont.)

- **Unit Cost: Order Fulfillment** – The total cost of filling customer orders (not including the price of the product) divided by the total number of customer orders filled over the same period of time.
- **Unit Cost: Product Packaging** – The total cost of product packaging (package materials, assembly, etc.) divided by the total number of units packaged over the same period of time.

Organizational

- **Company-Owned Distribution Centers as a Percentage of Distribution Centers Used** – The total number of company-owned distribution centers used divided by the total number of distribution centers used by the company over the same period of time, as a percentage.
- **Distribution Headcount Ratio** – The number of company-wide employees divided by the total number of Distribution employees working for the company at the same point in time.
- **Fully Outsourced Distribution Centers as a Percentage of Distribution Centers Used** –

**To download the full document,
add this product to your shopping cart
and complete the purchase process.**

